

SAFETY DATA SHEET

PolyWhey Supreme

1. Identification

Product identifier	Vermont Natural Coatings PolyWhey Supreme Ultra-Matte Floor Finish
Product type	Liquid
Other means of identification	
Synonyms	-
Product Code	-
Recommended use	No information available.
Recommended restrictions	No information available.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	Vermont Natural Coatings Box 512 Hardwick, VT 05843 United States
General Assistance	(802) 472-8700
E-Mail	info@vermontnaturalcoatings.com
Contact Person	No information available.
Emergency Telephone	(802) 472-8700

2. Hazard(s) Identification

OSHA/HCS status	This material is not considered as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	Not classified.
GHS Label elements	Not applicable.
Signal word	Not applicable.
Hazard statement	Not applicable.
Precautionary statement	Not applicable.
Hazard(s) not otherwise classified	None known.

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3. Composition/information on ingredients

Mixture

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Silicon dioxide, Chemically Prepared	112926-00-8	>1 - <=1.5
Di(propylene glycol) butyl ether	29911-28-2	> 4 - < 6
Zinc oxide (ZnO)	1314-13-2	> .05 - <.1

4. First-aid measures

Inhalation	Remove to fresh air. Administer oxygen if necessary. Seek immediate medical attention.
Skin contact	Wash thoroughly with soap and water. If irritation persists, get medical attention.
Eye contact	Flush with large quantities of water for at least 15 minutes. Seek immediate medical attention.
Ingestion	Do not induce vomiting. Drink large quantities of water to dilute. Obtain medical attention immediately.
Most important symptoms/effects,	Prolonged ore repeated skin contact may cause irritation. Eye contact may be slightly irritating.
Indication of immediate medical attention and special treatment	Provide general supportive measures and treat symptomatically.
General information	If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

5. Fire-fighting measures

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	None known.
Special protective equipment and Special firefighting procedures	As in any fire, self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

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Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk

Environmental Precautions

through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe handling

Put on appropriate personal protective equipment (See Section 8).

Conditions for safe storage, including any incompatibilities.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Occupational exposure limits

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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Silicon dioxide, chemically prepared	PEL(TWA)	80 mg/m3
Zinc oxide (ZnO)	PEL(TWA)	5 mg/m3 (fume) 15 mg/m3 (total dust) 5 mg/m3 (resp dust)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Silicon dioxide, chemically prepared	TWA	80 mg/m3
Zinc oxide (ZnO)	TWA	5 mg/m3 (fume) 15 mg/m3 (total dust) 5 mg/m3 (resp)

US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the components in this product is listed.

US. OSHA Table Z-3 (29 CFR 1910.1000)

None of the components in this product is listed.

US. ACGIH Threshold Limit Values

Components	Type	Value
Silicon dioxide, chemically prepared	TLV(TWA) TLV(ST)	80 mg/m3
Zinc oxide (ZnO)	TLV(TWA) TLV(ST)	2 mg/m3 10 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Silicon dioxide, chemically prepared	REL(TWA)	6 mg/m3
Zinc oxide (ZnO)	REL(TWA) REL(Ceiling)	5 mg/m3 15 mg/m3

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Protective Equipment



Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. > 8 hours (breakthrough time): nitrile rubber

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Appearance

Milky liquid.

Physical state

Liquid.

Form

Liquid.

Color

Off White.

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Odor	Mild Sweet.
Odor threshold	No information available.
pH	7.2-8.5.
Melting/Freezing point	No information available.
Boiling point	No information available.
Flash point	None.
% Volatile by Volume	No information available.
Evaporation rate (BuOAc=1)	Slower than ether.
Material Volatile Organic Compound (V.O.C.)	1.08 lbs/gal max (127 g/L max)
Coating Volatile Organic Compound (V.O.C.)	2.08 lbs/gal max (250 g/L max)
Flammability (solid, liquid, gas)	None.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not applicable.
Flammability limit – upper (%)	Not applicable.
Explosive limit - lower (%)	Not determined.
Explosive limit - upper (%)	No information available.
Vapor pressure (mm Hg)	No information available.
Vapor density (Air=1)	Not determined.
Relative density (Specific gravity)	1.022
Solubility(ies)	
Solubility (water)	Soluble.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined.
Viscosity	Not determined.

10. Stability and reactivity

Reactivity	Product is stable.
Chemical stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	None known.
Incompatible materials	None known based on information provided.
Hazardous decomposition Products	None known based on information provided.

11. Toxicological information

Information on the likely routes of exposure

Ingestion	Do not consume.
Inhalation	Under normal conditions of use, no inhalation hazard expected.
Skin contact	Avoid contact with skin.
Eye contact	Avoid contact with eyes.
Symptoms related to the physical, chemical and toxicological characteristics	No specific data.

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Delayed and immediate effects and also chronic effects from short- and long-term exposure

No known significant effects or critical hazards.

Skin corrosion/irritation Serious eye damage/eye irritation

No information available.

Respiratory or skin sensitization

No information available.

Respiratory sensitization

No information available.

Skin sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

Specific target organ toxicity - single exposure

No information available.

No information available.

Specific target organ toxicity - repeated exposure

No information available.

Aspiration hazard

No information available.

12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Silicon dioxide, chemically prepared	Fish LC ₅₀	<i>Zebra fish</i> (<i>Brachydanio rerio</i>)	>1000 mg/l, 96h
	Crustacea EC ₅₀	Water flea (<i>Daphnia magna</i>)	>1000 mg/l, 24h
Zinc oxide (ZnO) (CAS 1314-13-2)	Fish LC ₅₀	Fathead minnow (<i>Pimephales Promelas</i>)	2,246 mg/l, 96h
	Crustacea EC ₅₀	Water flea (<i>Daphnia magna</i>)	24.6 mg/l, 48h

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Algae/aquatic plants EC₅₀ Pseudokirchneriella subcapitata 18.4 mg/L, 72h

Persistence and degradability No information available.
Bioaccumulative potential No information available.
Mobility in soil No information available

Other adverse effects Not determined.

13. Disposal considerations

Disposal instructions Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State and Local regulations. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

In accordance with DOT Not regulated for transport.
In accordance with IMDG Not regulated for transport.
In accordance with IATA Not regulated for transport.

15. Regulatory information

US federal regulations This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

No components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None of the chemicals in this product is listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Silicon dioxide, chemically prepared Listed
(CAS 112926-00-8)

Zinc oxide (ZnO) (CAS 1314-13-2) Listed

CERCLA Hazardous Substance List (40 CFR 302.4)

None of the chemicals of this product are listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard	-	No
Delayed Hazard	-	No
Fire Hazard	-	No

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Pressure Hazard - No
 Reactivity Hazard - No

SARA 302/304 Extremely hazardous substance
 None of the chemicals in this product is listed.

SARA 311/312 Hazardous chemical No
SARA 313 (TRI reporting)

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

None of the chemicals in this product is listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None of the chemicals in this product is listed.

Safe Drinking Water Act (SDWA)

None of the chemicals in this product is listed.

US State regulations

US. New Jersey Worker and Community Right-to-Know Act

Silicon dioxide, chemically prepared (CAS 112926-00-8)

Zinc oxide (ZnO) (CAS 1314-13-2)

1,2-Propylene glycol (CAS 57-55-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Zinc oxide (ZnO) (CAS 1314-13-2)

1,2-Propylene glycol (CAS 57-55-6)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

Warning: This Product contains less than .001 percent Ethyl Acrylate 10 - 20 ppm MEHQ

CAS # 140-88-5. Which is known to the State of California to cause cancer.

International Inventories

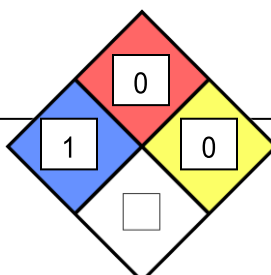
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-01-2016
Revision date
Version # -
NFPA rating



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Key to abbreviations

ACGIH: Documentation of the Threshold Limit Values and Biological Exposure indices

GHS : Globally Harmonized System of Classification and Labelling of Chemicals

IATA : International Air Transport Association

IMDG : International Maritime Dangerous Goods

NIOSH: The National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

Disclaimer

The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations. All materials may present unknown hazards and should be used with caution.